

CLAIMS

What is claimed is:

1. A system that facilitates task processing, comprising:
 - a bulk component that concurrently processes a plurality of eligible accounts with a set of dependent tasks; and
 - a removal component that removes an account from the eligible accounts as an errored account if an error is associated therewith.
2. The system of claim 1, the tasks are processed sequentially against the plurality of eligible accounts according to task dependencies.
3. The system of claim 1, further comprising an error component that processes the errored account to resolve the error associated therewith.
4. The system of claim 1, the errored account is merged back into processing by the bulk component when the error associated therewith has been resolved.
5. The system of claim 1, the errored account is merged back in only when the errored account has been resolved temporally with processing of the bulk component.
6. A computer readable medium having stored thereon computer executable instructions for carrying out the system of claim 1.
7. A computer system according to the system of claim 1.
8. The system of claim 1, the dependent tasks processed on a first day must be processed error-free before the same tasks can be processed on a succeeding day.
9. The system of claim 1, further comprising a catch-up component for real-time processing of an account.

10. The system of claim 1, the bulk component is associated with periodic processing of the plurality of eligible accounts.

11. The system of claim 1, the plurality of eligible accounts are processed in parallel by one or more computing devices.

12. The system of claim 1, the plurality of eligible accounts are processed in parallel by different threads of execution on a single computing device.

13. The system of claim 1, the plurality of eligible accounts are processed in accordance with an access control list.

14. The system of claim 1, the system self-throttles to keep system resources under a predetermined threshold.

15. A system that facilitates task processing, comprising:

- a bulk component that processes a plurality of eligible accounts with a set of dependent tasks;
- a removal component that removes an account from the eligible accounts as an errored account if an error is associated therewith;
- an error component that processes the errored account to resolve the error associated therewith, and merges the resolved errored account with bulk processing of the eligible accounts by the bulk component when the resolved errored account is temporally aligned with the bulk processing; and
- a catch-up component that facilitates real-time processing of an account.

16. The system of claim 15, the tasks are processed sequentially against the plurality of eligible accounts according to task dependencies.

17. The system of claim 15, the bulk component repeatedly processes the errored account a predetermined number of attempts before the errored account is removed by the removal component for error processing.
18. The system of claim 15, the tasks include at least subscription cycle end processing, account cycle end processing, e-mail messaging, and subscription renewal processing.
19. The system of claim 15 performs periodic processing of subscriber accounts.
20. The system of claim 15, the bulk component fetches only the required number of accounts for processing based on the set of tasks to be processed.
21. The system of claim 15, the bulk component and the error component process accounts concurrently.
22. A method of processing tasks, comprising:
processing in bulk one or more eligible accounts with a set of tasks;
removing one of the one or more eligible accounts as an errored account if the one eligible account exhibits an error; and
error processing the errored account with the set of tasks to resolve the error.
23. The method of claim 22, further comprising merging the errored account that has been resolved with the one or more eligible accounts for further processing in bulk.

24. The method of claim 22, the processing in bulk further comprises, processing task dependency data relates to the set of tasks; maintaining system state data of the system; generating an account level exception list of exceptions generated during the processing in bulk;

monitoring and reporting system processes related to at least bulk processing, removing an errored account; and

providing error handling related to an error generated by the errored account.

25. The method of claim 22, further comprising reprocessing the errored account in bulk before removing the account for error processing.

26. The method of claim 22, further comprising reprocessing the errored account before requiring manual intervention to initiate further reprocessing.

27. The method of claim 22, further comprising predicting when subscription cycle end processing needs to be performed next.

28. A computer-readable medium having computer-executable instructions for performing a method of periodic processing of subscription accounts, the method comprising:

processing in bulk one or more eligible accounts with a set of tasks; removing one of the one or more eligible accounts as an errored account if the one eligible account exhibits an error;

error processing the errored account with the set of tasks to resolve the error in the errored account, now a resolved errored account; and

merging the resolved errored account for processing in bulk when error processing and bulk processing are temporally aligned.

29. The method of claim 28, further comprising determining according to a predetermined threshold level when a second account that is dependent on a first account is considered inconsistent.

30. The method of claim 29, further comprising employing a classifier to automatically determine the threshold level that facilitates determining when a dependent account is inconsistent.

31. A system that facilitates the periodic processing of accounts, comprising:
means for processing in bulk one or more eligible accounts with a set of tasks;

means for removing one of the one or more eligible accounts as an errored account if the one eligible account exhibits an error;

means for error processing the errored account with the set of tasks to resolve the error in the errored account, now a resolved errored account; and

means for merging the resolved errored account for processing in bulk when error processing and bulk processing are temporally aligned.

32. A system that facilitates the periodic processing of accounts, comprising:
a first system that processes a set of tasks against a plurality of accounts;
a second system that processes the same set of tasks against the plurality of accounts;

wherein the first system signals the second system to bypass processing of one of the plurality of accounts if the first system determines an error in the one account.

33. The system of claim 32, the second system signals the first system to bypass processing of another of the plurality of accounts if the second system determines an error in the another account.